



Practitioner's Docket No. Warf-002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Porter, Warren P.; Mitchell, John W.

Application No.: 09/938196

Group No.:

Filed: August 23, 2001

Examiner:

For: Method and system for calculating the spatial-temporal effects of climate and other environmental conditions on animals.

Assistant Commissioner for Patents
Washington, D.C. 20231

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WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. section 1.97(b))

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Sheet 1 of 2

Compleat if Known

Application Number	09/938196
Filing Date	08/23/2001
First Named Inventor	Warren P. Porter
Group Art Unit	
Examiner Name	
Attorney Docket Number	Warf-002

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	PORTER, W.P., ET AL., "Behavioral Implications of Mechanistic Ecology," Oecologia, 1st ed., p. 1-54, (1973).	
	2	MCCULLOUGH AND PORTER, "Computing clear day solar radiation spectra for the terrestrial ecological environment," Ecology, Vol. 52 (No. 6), p. 1008-1015, (1971).	
	3	WARREN P. PORTER, ET AL., "Endotherm energetics: from a scalable individual-based model to ecological applications," Aust. J. Zool., p. 125-162, (1994).	
	4	WARREN P. PORTER ET AL., "Calculating climate effects on birds and mammals: impacts on biodiversity, conservation, population parameters, and global community structure.," Amer. Zool., p. 597-630, (2000).	
	5	WARREN P. PORTER, ET AL., "Physiology on a landscape scale: plant-animal interactions," WARREN - PUBLISHED YET? DETAILS?, (2001).	
	6	ADOLPH, S.C. AND W.P. PORTER, "Growth, seasonality, and lizard life histories: Age and size at maturity.," Oikos, p. 267-278, (1996).	
	7	PORTER AND MCCLURE, "Climate effects on growth and reproduction potential in Sigmodon hispidus and Peromyscus maniculatus.," Winter Ecology of Small Mammals, p. 173-181, (1984).	
	8	W.P. PORTER, "New animal models and experiments for calculating growth potential at different elevations.," Physiological Zoology, p. 286-313, (1989).	
	9	ADOLPH, S.C. AND W.P. PORTER, "Temperature, activity, and lizard life histories.," Am. Naturalist, p. 273-295, (1993).	
	10	BUDARAJU, S. ET AL., "Prediction of forced ventilation in animal fur from a measured pressure distribution," Proc. Roy. Soc. London B, p. 41-46, (1994).	
	11	BARTLETT, P. N. AND D.M. GATES, "The energy budget of a lizard on a tree trunk," Ecology, p. 315-322, (1967).	

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Sheet 2 of 2

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Group Art Unit	
Examiner Name	
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	12	MITCHELL, J.W., "Heat transfer from spheres and other animal forms," Biophys. J., p. 561-569, (1976).	
	13	MITCHELL, J.W. AND G.E. MYERS, "An analytical model of the counter-current heat exchange phenomena," Biophys. J., ed., , p. 897-911, (1968).	
	14	WATHEN, P. ET AL., "Theoretical and experimental studies of energy exchange from jack rabbit ears and cylindrically shaped appendages," Biophys. J., Vol. 11 (No. 12), p. 1030-1047, (1971).	
	15	WATHEN, P. ET AL., "Heat transfer from animal appendage shapes-cylinders, arcs, and cones," Trans. of the ASME, p. 536-540, (1974).	
	16	KOWALSKI, G. J. AND J.W. MITCHELL, "Heat transfer from spheres in the naturally turbulent, outdoor environment," J. Heat Transfer, Vol. 98 (No. 4), p. 649-653, (1976).	
	17	BECKMAN, W.A. ET AL., "Thermal model for prediction of a desert iguana's daily and seasonal behavior," Trans. ASME, p. 1-7, (1971).	
	18	MITCHELL, J.W. ET AL (EDS), "Microclimatic modeling of the desert," Scripta Book Co. (Washington, DC), p. 275-286, (1975).	
	19	GRANT, B.W. AND W.P. PORTER, "Modeling global macroclimatic constraints on ectotherm energy budgets," Am. Zool., p. 154-178, (1992).	
	20	BUDARAJU, S. ET AL., "Mixed convective heat and moisture transfer from a horizontal furry cylinder in transverse flow," Int. J. Heat and Mass Transfer, p. 22273-2281, (1997).	
	21	STEWART, W.E. ET AL., "Prediction of forced ventilation in animal fur under ideal pressure distribution," Functional Ecology, p. 487-492, (1993).	

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